

Title: Method And System Reading Magnetic Memory

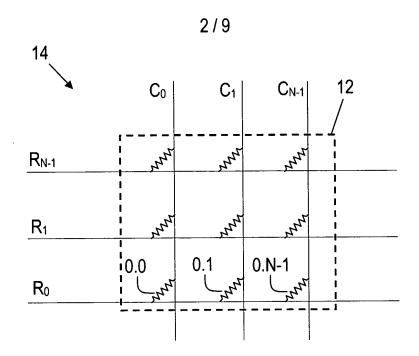


FIGURE 3

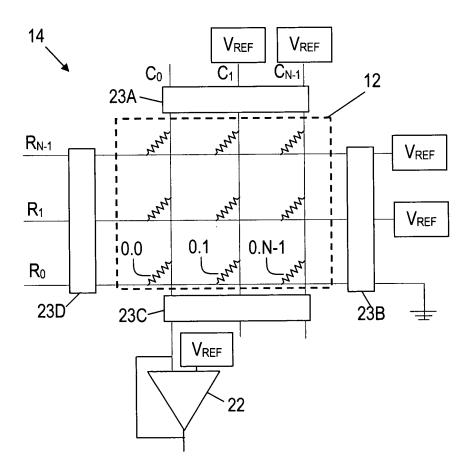
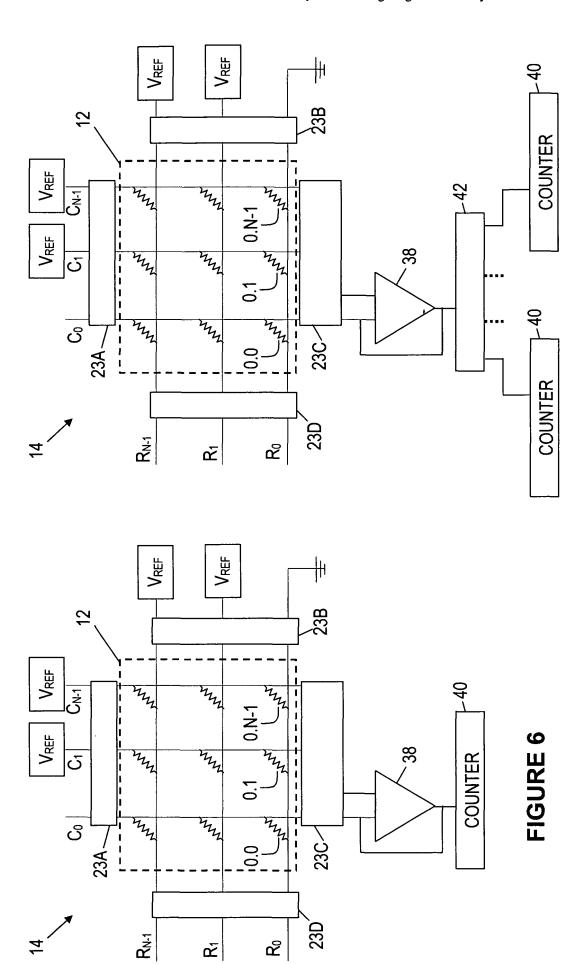


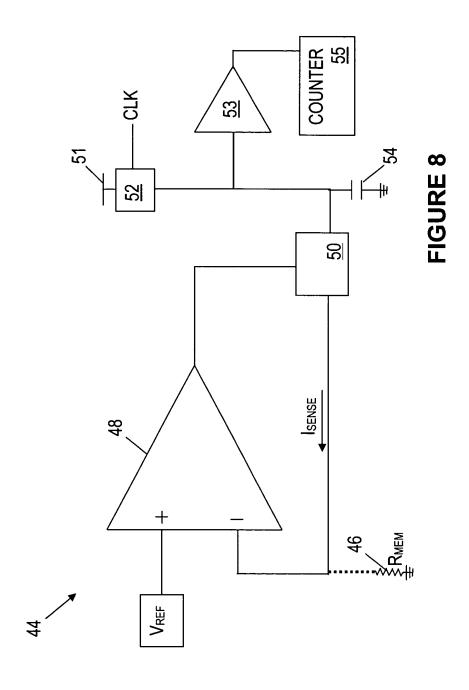
FIGURE 4

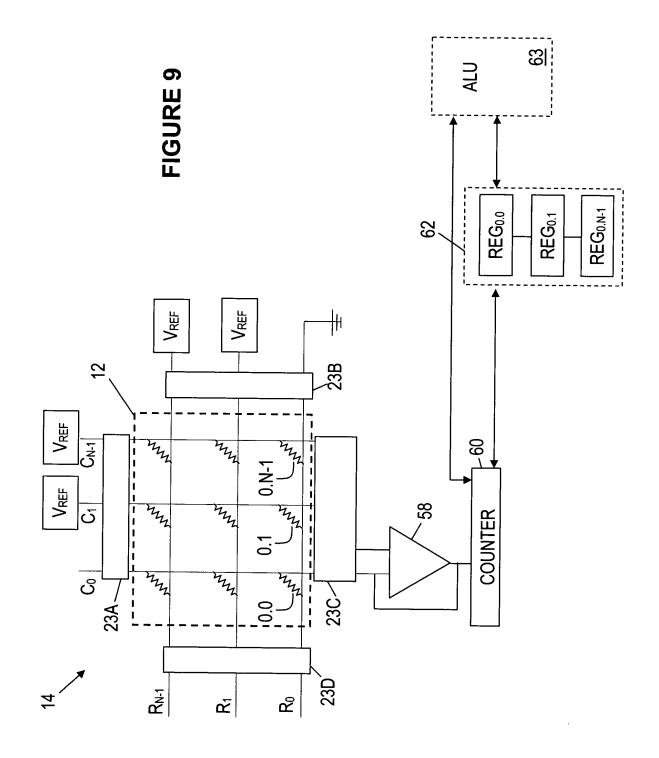
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FIGURE 7



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0 FORCE LOW +30	FORCE HIGH 130	X 260	X X X 130 260	DIGITAL STATE OF MEMORY ELEMENT NET COUNT VALUE
-100	-130	130	130 130	DIGITAL COUNT FOR SAMPLE
4	က	2	1	SAMPLE #

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3 4	-130 -100		1 0	FORCE FORCE	HIGH LOW	06- 0.	
2	100		×	<u>E</u>		200 7	
1	100		X			100 200	
SAMPLE #	DIGITAL COUNT FOR	SAMPLE	DIGITAL STATE OF	MEMORY ELEMENT	-	NET COUNT VALUE	ì

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SET ₁	-80	t_0
SENSE ₁	-81	20
SENSE ₂	-82	
SENSE ₃	-83	
SENSE ₄	-84	
WRITE ₁	-85	
WRITE ₂	-86	
SET ₂	87	
SENSE ₅	-88	
SENSE ₆	89	
WRITE ₃	-90	
WRITE ₄	91	
SET ₃	92	
SENSE ₇	-93	
SENSE ₈	94	 TIME
	,	V 11VIL

	- 64	00	00	00
TIME	81	82	88	93
PERIOD				
DIGITAL	130	130	-130	-100
COUNT				
FOR				
SAMPLE				
DIGITAL	Χ	Χ	1	0
STATE OF			FORCE	FORCE
MEMORY			HIGH†	LOW‡
ELEMENT			_	
NET COUNT	130	260	130	+30
VALUE				

REG 0.0

† WRITTEN DURING TIME PERIOD 85 ‡ WRITTEN DURING TIME PERIOD 90

FIGURE 12

TIME	83	84	89	94
PERIOD				
DIGITAL	100	100	-130	-100
COUNT				
FOR				
SAMPLE				
DIGITAL	Χ	Χ	1	0
STATE OF			FORCE	FORCE
MEMORY			HIGH†	LOW‡
ELEMENT				
NET COUNT	100	200	70	-30
VALUE				

REG 0.1

- † WRITTEN DURING TIME PERIOD 86
- ‡ WRITTEN DURING TIME PERIOD 91

